IEEE 802.3 Ethernet Working Group
Liaison Communication

Source:	IEEE 802.3 Working Group[1]	
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CC:	Alpesh Shah	Secretary, IEEE-SA Standards Board Secretary, IEEE-SA Board of Governors
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	Adam Healey	Vice-chair, IEEE 802.3 Ethernet Working Group
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From:	David Law	Chair, IEEE 802.3 Ethernet Working Group
Subject:	Liaison reply to ITU-T SG15: ANT and HNT Standards Overviews and Work Plans	
Approval:	Agreed to at IEEE 802.3 interim meeting, 14 May 2026	

Dear Mr Parsons and members of ITU-T SG15,

Thank you for your liaison statement from October 2025 concerning the ANT and HNT Standards Overviews and Work Plans.

Concerning aspects of the ANT workplan and other activity within Study Group 15, please be aware of the following:

The current version of the Ethernet standard is 802.3-2022. Since our last communication, two new documents have been approved:

- Amendment 10: IEEE Std 802.3da, Physical Layer Specifications and Management Parameters for Enhancement of 10 Mb/s Operation over Single Balanced Pair Multidrop Segments, was approved on 12 February 2026 and published on 11 March 2026

[1] This document solely represents the views of the IEEE 802.3 Working Group and does not necessarily represent a position of the IEEE, the IEEE Standards Association, or IEEE 802.

- Amendment 11: IEEE Std 802.3dk, Bidirectional 100 Gb/s Optical Access PHYs, was approved on 26 March and published on 24 April 2026

In addition, the following amendments and corrigenda (communicated in previous liaison statements) remain in force:

- Amendment 1: IEEE Std 802.3dd-2022, Power over Data Lines of Single Pair Ethernet
- Amendment 2: IEEE Std 802.3cs-2022, Physical Layers and Management Parameters for Increased-Reach Point-to-Multipoint Ethernet Optical Subscriber Access (Super-PON)
- Amendment 3: IEEE Std 802.3db-2022, Physical Layer Specifications and Management Parameters for 100 Gb/s, 200 Gb/s, and 400 Gb/s Operation over Optical Fiber Using 100 Gb/s Signaling
- Amendment 4: IEEE Std 802.3ck-2022, Physical Layer Specifications and Management Parameters for 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces Based on 100 Gb/s Signaling
- Amendment 5: IEEE Std 802.3de-2022, Enhancements to MAC Merge and Time Synchronization Service Interface for Point-to-Point 10 Mb/s Single-Pair Ethernet.
- Amendment 6: IEEE Std 802.3cx-2023, Media Access Control (MAC) Service Interface and Management Parameters to Support Improved Precision Time Protocol (PTP) Timestamping Accuracy
- Amendment 7: IEEE Std 802.3cz-2023, Physical Layer Specifications and Management Parameters for Multi-Gigabit Optical Automotive Ethernet
- Amendment 8, IEEE Std 802.3cy-2023, Physical Layer Specifications and Management Parameters for 25 Gb/s Electrical Automotive Ethernet
- Amendment 9: IEEE Std 802.3df-2024, Media Access Control Parameters for 800 Gb/s and Physical Layers and Management Parameters for 400 Gb/s and 800 Gb/s Operation
- IEEE Std 802.3™-2022/Cor 1-2025, IEEE Standard for Ethernet Corrigendum 1: Multi-Gigabit Automotive Medium Dependent Interface (MDI) Return Loss

The current version of the Ethernet MIBs standard is published as IEEE Std 802.3.1-2024.

The current version of the Ethernet YANG models standard is published as IEEE Std 802.3.2-2025.

In addition, the following Task Forces, Study Groups, and ad hoc groups are active within the IEEE 802.3 Working Group:

- The IEEE P802.3dg Physical Layer Specifications and Management Parameters for 100 Mb/s Operation and associated Power Delivery over a Single Balanced Pair of Conductors Task Force is in the Standards Association ballot phase. Per the adopted timeline, this task force expects to complete its work in June 2026.
- The IEEE P802.3dj 200 Gb/s, 400Gb/s, 800Gb/s, and 1.6Tb/s Ethernet Task Force in the Standards Association ballot phase. Per the adopted timeline, this task force expected to complete its work in September 2026.
- The IEEE P802.3dm Asymmetrical Electrical Automotive Ethernet Task Force is in the proposal selection phase. Per the adopted timeline, this Task Force is expected to complete its work in April 2027

- The IEEE P802.3dp Ethernet Power Cabling Restrictions Task Force is in the proposal selection phase. This task force has not yet adopted a timeline.
- The IEEE P802.3dq Pin-optimized PHY Interfaces Task Force has been formed and is in the proposal selection phase. The scope of work concerns PHYs up to 100 Mb/s with no more than 8 pins. This task force has not yet adopted a timeline.
- The IEEE P802.3dr (corrigendum 2) Optical Automotive Ethernet TDFOM Task Force has been formed to address issues found in IEEE Std 802.3cz-2023. It is in the Standards Association ballot phase.
- The IEEE P802.3ds 200 Gb/s per Wavelength MMF PHYs Task Force has been formed and is in the task force review phase. It is specifying new PHYs based on 200 Gb/s per lane IMDD signalling using multimode fibre and VCSELs. Per the adopted timeline, this task force expects to finish its work by the end of 2027.
- The IEEE P802.3dt Ethernet Metadata Services Task Force has been formed and is in the proposal selection phase. It is defining mechanisms to communicate both per-packet and per-link metadata without changing the definition of the MAC service interface. Potential methods include putting per-packet metadata in the preamble of packets and using ordered sets to convey per-link metadata.
- The IEEE 802.3 400 Gb/s/Lane Signalling Study Group has been formed and will develop the scope for a project that will specify 400 Gb/s/lane signalling and a limited number of PHYs using that signalling. The focus for this project will be on AI applications.
- The IEEE 802.3 Ethernet and Fault Managed Power (EFMP) Study Group has been formed and will develop the scope for a project to specify a methodology for the coexistence of Ethernet and fault-managed power, enabling delivery of larger amounts of power over Ethernet.

A revision to the 802.3 base standard is expected in 2027 after the IEEE P802.3dj project is completed. This project will be tracked as IEEE P802.3du.

Thank you for the opportunity to review and comment on this workplan. We look forward to continued collaboration between ITU-T Study Group 15 and the IEEE 802.3 Working Group.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group